

ABSTRACT

A packaging system for producing a foam-in-bag cushion upon demand includes a bag of flexible plastic film and defining therein an enclosed space which is vented to the outside of the bag, a foam precursor packet positioned at a predetermined location within the bag and being formed of a barrier material. The packet includes first and second compartments with a first frangible seal separating the first and second compartments which when ruptured will permit the contents of the compartments to be mixed to form a foam cushion and a second frangible seal between one of the compartments and the enclosed space in the bag. A first foam precursor component is contained in the first compartment of the packet and a second foam precursor component is contained in the second compartment of the packet. The frangible seals have a peel strength of at least about one pound per inch and less than about twelve pounds per inch and more particularly a peel strength of about one pound per inch to about seven pounds per inch. The frangible seals are formed by providing bands of printed area on the facing surfaces of the material forming the packet which is arranged in a matrix of printed and unprinted areas. The printed areas prevent the surfaces from being joined by heat sealing and the matrix is such that a frangible seal of the desired peel strength is formed.